

Pro-fax 6323

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Pro-fax 6323 general purpose polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax 6323.

For regulatory compliance information see Pro-fax 6323 Product Stewardship Bulletin (PSB).

General Information			
Features	Good Heat Aging Resistance		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	Homopolymer		
Uses	Automotive Applications		
	Caps		
	Closures		
	Containers		
	Sporting Goods		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.898	g/cm ³	ASTM D792B
--	0.900	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	34.0	MPa	ASTM D638
Yield, 23°C	31.0	MPa	ISO 527-2
Tensile Elongation			
Yield	11	%	ASTM D638
Yield, 23°C	11	%	ISO 527-2
Flexural Modulus			
1% Secant ²	1450	MPa	ASTM D790A
23°C	1290	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	4.2	kJ/m ²	ISO 179
Notched Izod Impact			
23°C	32	J/m	ASTM D256A
23°C	4.1	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	93.0	°C	ASTM D648
0.45 MPa, Unannealed	76.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	49.0	°C	ISO 75-2/A
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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